

# Jun Zhang

## List of Publications by Year in descending order

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67  
papers

3,744  
citations

134610

34  
h-index

145109

60  
g-index

68  
all docs

68  
docs citations

68  
times ranked

6116  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pore architecture influences the enzyme immobilization performance of mesoporous silica nanospheres. <i>Microporous and Mesoporous Materials</i> , 2022, 338, 111963.	2.2	10
2	Synergistic Effect of Two Nanotechnologies Enhances the Protective Capacity of the <i>Theileria parva</i> Sporozoite p67C Antigen in Cattle. <i>Journal of Immunology</i> , 2021, 206, 686-699.	0.4	10
3	Submicron-Sized Vermiculite Assisted Oregano Oil for Controlled Release and Long-Term Bacterial Inhibition. <i>Antibiotics</i> , 2021, 10, 1324.	1.5	1
4	<sc>Nanobiopesticides</sc>: Silica nanoparticles with spiky surfaces enable dual adhesion and enhanced performance. <i>EcoMat</i> , 2020, 2, e12028.	6.8	16
5	Why synthetic virus-like nanoparticles can achieve higher cellular uptake efficiency?. <i>Nanoscale</i> , 2020, 12, 14911-14918.	2.8	19
6	Characterization of the Biodistribution of a Silica Vesicle Nanovaccine Carrying a <i>Rhipicephalus (Boophilus) microplus</i> Protective Antigen With in vivo Live Animal Imaging. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 606652.	2.0	6
7	Thiolated silica nanoadsorbents enable ultrahigh and fast decontamination of mercury(<sc>ii</sc>): understanding the contribution of thiol moieties' density and accessibility on adsorption performance. <i>Environmental Science: Nano</i> , 2020, 7, 851-860.	2.2	15
8	Highly Thiolated Dendritic Mesoporous Silica Nanoparticles with High-Content Gold as Nanozymes: The Nano-Gold Size Matters. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 13264-13272.	4.0	36
9	Synthesis of biphenyl bridged dendritic mesoporous organosilica with extremely high adsorption of pyrene. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12029-12037.	5.2	25
10	Bottom-up self-assembly of heterotrimeric nanoparticles and their secondary Janus generations. <i>Chemical Science</i> , 2019, 10, 10388-10394.	3.7	26
11	Dendritic mesoporous carbon nanoparticles for ultrahigh and fast adsorption of anthracene. <i>Chemosphere</i> , 2019, 215, 716-724.	4.2	19
12	A Concentration-Dependent Insulin Immobilization Behavior of Alkyl-Modified Silica Vesicles: The Impact of Alkyl Chain Length. <i>Langmuir</i> , 2018, 34, 5011-5019.	1.6	6
13	Glutathione-depletion mesoporous organosilica nanoparticles as a self-adjuvant and Co-delivery platform for enhanced cancer immunotherapy. <i>Biomaterials</i> , 2018, 175, 82-92.	5.7	135
14	Rechargeable aluminum-selenium batteries with high capacity. <i>Chemical Science</i> , 2018, 9, 5178-5182.	3.7	87
15	Solvothermal-assisted evaporation-induced self-assembly of ordered mesoporous alumina with improved performance. <i>Journal of Colloid and Interface Science</i> , 2018, 529, 432-443.	5.0	10
16	Multi-shelled Dendritic Mesoporous Organosilica Hollow Spheres: Roles of Composition and Architecture in Cancer Immunotherapy. <i>Angewandte Chemie</i> , 2017, 129, 8566-8570.	1.6	16
17	Multi-shelled Dendritic Mesoporous Organosilica Hollow Spheres: Roles of Composition and Architecture in Cancer Immunotherapy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8446-8450.	7.2	128
18	Asymmetric Silica Nanoparticles with Tunable Head-Tail Structures Enhance Hemocompatibility and Maturation of Immune Cells. <i>Journal of the American Chemical Society</i> , 2017, 139, 6321-6328.	6.6	105

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19	A partially purified outer membrane protein VirB9-1 for low-cost nanovaccines against <i>Anaplasma marginale</i> . <i>Vaccine</i> , 2017, 35, 77-83.	1.7	3
20	Glucose-Responsive Nanosystem Mimicking the Physiological Insulin Secretion via an Enzyme-Polymer Layer-by-Layer Coating Strategy. <i>Chemistry of Materials</i> , 2017, 29, 7725-7732.	3.2	46
21	Free-standing monolithic nanoporous graphene foam as a high performance aluminum-ion battery cathode. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19416-19421.	5.2	68
22	Polyethyleneimine grafted short halloysite nanotubes for gene delivery. <i>Materials Science and Engineering C</i> , 2017, 81, 224-235.	3.8	70
23	Mg(OH) <sub>2</sub> @reduced graphene oxide nanocomposites: the roles of composition and nanostructure in arsenite sorption. <i>Journal of Materials Chemistry A</i> , 2017, 5, 24484-24492.	5.2	26
24	Tailoring mesoporous-silica nanoparticles for robust immobilization of lipase and biocatalysis. <i>Nano Research</i> , 2017, 10, 605-617.	5.8	63
25	Nanoparticle-Based Delivery of <i>Anaplasma marginale</i> Membrane Proteins; VirB9-1 and VirB10 Produced in the <i>Pichia pastoris</i> Expression System. <i>Nanomaterials</i> , 2016, 6, 201.	1.9	6
26	Immunogenicity of Outer Membrane Proteins VirB9-1 and VirB9-2, a Novel Nanovaccine against <i>Anaplasma marginale</i> . <i>PLoS ONE</i> , 2016, 11, e0154295.	1.1	19
27	Facile Synthesis of Large-Pore Bicontinuous Cubic Mesoporous Silica Nanoparticles for Intracellular Gene Delivery. <i>ChemNanoMat</i> , 2016, 2, 220-225.	1.5	24
28	Structure-Dependent and Glutathione-Responsive Biodegradable Dendritic Mesoporous Organosilica Nanoparticles for Safe Protein Delivery. <i>Chemistry of Materials</i> , 2016, 28, 9008-9016.	3.2	142
29	Silica Nanopollens Enhance Adhesion for Long-Term Bacterial Inhibition. <i>Journal of the American Chemical Society</i> , 2016, 138, 6455-6462.	6.6	219
30	Mesoporous Magnesium Oxide Hollow Spheres as Superior Arsenite Adsorbent: Synthesis and Adsorption Behavior. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 25306-25312.	4.0	69
31	A Vesicle Supra-Assembly Approach to Synthesize Amine-Functionalized Hollow Dendritic Mesoporous Silica Nanospheres for Protein Delivery. <i>Small</i> , 2016, 12, 5169-5177.	5.2	72
32	Synthesis of hierarchically porous TiO <sub>2</sub> nanomaterials using alginate as soft templates. <i>Materials Research Bulletin</i> , 2016, 83, 609-614.	2.7	32
33	Anion Assisted Synthesis of Large Pore Hollow Dendritic Mesoporous Organosilica Nanoparticles: Understanding the Composition Gradient. <i>Chemistry of Materials</i> , 2016, 28, 704-707.	3.2	199
34	Understanding the contribution of surface roughness and hydrophobic modification of silica nanoparticles to enhanced therapeutic protein delivery. <i>Journal of Materials Chemistry B</i> , 2016, 4, 212-219.	2.9	75
35	Size-dependent gene delivery of amine-modified silica nanoparticles. <i>Nano Research</i> , 2016, 9, 291-305.	5.8	30
36	Core-Cone Structured Monodispersed Mesoporous Silica Nanoparticles with Ultra-Large Cavity for Protein Delivery. <i>Small</i> , 2015, 11, 5949-5955.	5.2	140

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37	Biphasic Synthesis of Large-Pore and Well-Dispersed Benzene Bridged Mesoporous Organosilica Nanoparticles for Intracellular Protein Delivery. <i>Small</i> , 2015, 11, 2743-2749.	5.2	82
38	Self-Organized Mesostructured Hollow Carbon Nanoparticles via a Surfactant-Free Sequential Heterogeneous Nucleation Pathway. <i>Chemistry of Materials</i> , 2015, 27, 6297-6304.	3.2	99
39	Synthesis of silica nanoparticles with controllable surface roughness for therapeutic protein delivery. <i>Journal of Materials Chemistry B</i> , 2015, 3, 8477-8485.	2.9	36
40	Nitrogen-doped ordered mesoporous carbon single crystals: aqueous organic-organic self-assembly and superior supercapacitor performance. <i>Journal of Materials Chemistry A</i> , 2015, 3, 24041-24048.	5.2	96
41	Shaping Nanoparticles with Hydrophilic Compositions and Hydrophobic Properties as Nanocarriers for Antibiotic Delivery. <i>ACS Central Science</i> , 2015, 1, 328-334.	5.3	65
42	Synthesis of Magnesium Oxide Hierarchical Microspheres: A Dual-Functional Material for Water Remediation. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 21278-21286.	4.0	124
43	Controlled synthesis of hexagonal mesostructure silica and macroporous ordered siliceous foams for VOCs adsorption. <i>RSC Advances</i> , 2015, 5, 5695-5703.	1.7	18
44	Silica Vesicle Nanovaccine Formulations Stimulate Long-Term Immune Responses to the Bovine Viral Diarrhoea Virus E2 Protein. <i>PLoS ONE</i> , 2015, 10, e0143507.	1.1	16
45	Protein Therapy: Synthesis of Silica Vesicles with Controlled Entrance Size for High Loading, Sustained Release, and Cellular Delivery of Therapeutic Proteins (Small 24/2014). <i>Small</i> , 2014, 10, 4986-4986.	5.2	28
46	Synthesis of Silica Vesicles with Controlled Entrance Size for High Loading, Sustained Release, and Cellular Delivery of Therapeutic Proteins. <i>Small</i> , 2014, 10, 5068-5076.	5.2	45
47	Programmable drug release using bioresponsive mesoporous silica nanoparticles for site-specific oral drug delivery. <i>Chemical Communications</i> , 2014, 50, 5547-5550.	2.2	71
48	Sensitive Detection of Human Insulin Using a Designed Combined Pore Approach. <i>Small</i> , 2014, 10, 2413-2418.	5.2	10
49	Floating tablets from mesoporous silica nanoparticles. <i>Journal of Materials Chemistry B</i> , 2014, 2, 8298-8302.	2.9	37
50	Synthesis of SBA-15 rods with small sizes for enhanced cellular uptake. <i>Journal of Materials Chemistry B</i> , 2014, 2, 4929-4934.	2.9	23
51	A combo-pore approach for the programmable extraction of peptides/proteins. <i>Nanoscale</i> , 2014, 6, 5121-5125.	2.8	31
52	Silica vesicles as nanocarriers and adjuvants for generating both antibody and T-cell mediated immune responses to Bovine Viral Diarrhoea Virus E2 protein. <i>Biomaterials</i> , 2014, 35, 9972-9983.	5.7	37
53	Nanodispersed UV blockers in skin-friendly silica vesicles with superior UV-attenuating efficiency. <i>Journal of Materials Chemistry B</i> , 2014, 2, 7673-7678.	2.9	15
54	Confinement of Chemisorbed Phosphates in a Controlled Nanospace with Three-Dimensional Mesostructures. <i>Chemistry - A European Journal</i> , 2013, 19, 5578-5585.	1.7	16

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55	Nanoparticles Mimicking Viral Surface Topography for Enhanced Cellular Delivery. <i>Advanced Materials</i> , 2013, 25, 6233-6237.	11.1	174
56	Low-cost and large-scale synthesis of functional porous materials for phosphate removal with high performance. <i>Nanoscale</i> , 2013, 5, 6173.	2.8	60
57	Stepwise Pore Size Reduction of Ordered Nanoporous Silica Materials at Angstrom Precision. <i>Journal of the American Chemical Society</i> , 2013, 135, 8444-8447.	6.6	38
58	Functional Nanoporous Graphene Foams with Controlled Pore Sizes. <i>Advanced Materials</i> , 2012, 24, 4419-4423.	11.1	350
59	A simple approach to prepare monodisperse mesoporous silica nanospheres with adjustable sizes. <i>Journal of Colloid and Interface Science</i> , 2012, 376, 67-75.	5.0	71
60	Controlled release of volatile ( $\alpha$ )-menthol in nanoporous silica materials. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2011, 71, 593-602.	1.6	18
61	A silanol protection mechanism: Understanding the decomposition behavior of surfactants in mesostructured solids. <i>Journal of Materials Research</i> , 2011, 26, 804-814.	1.2	11
62	A Bioinspired Route to Various Siliceous Vesicular Structures. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 612-615.	0.9	6
63	Tuning cooperative vesicle templating and liquid crystal templating simply by varying silica source. <i>Journal of Materials Research</i> , 2010, 25, 648-657.	1.2	11
64	Functionalized Periodic Mesoporous Organosilicas for Enhanced and Selective Peptide Enrichment. <i>Langmuir</i> , 2010, 26, 7444-7450.	1.6	35
65	New Understanding and Simple Approach to Synthesize Highly Hydrothermally Stable and Ordered Mesoporous Materials. <i>Chemistry of Materials</i> , 2009, 21, 5413-5425.	3.2	69
66	Preparation of Siliceous Vesicles with Adjustable Sizes, Wall Thickness, and Shapes. <i>Chemistry Letters</i> , 2009, 38, 442-443.	0.7	10
67	Supra-Assembly of Siliceous Vesicles. <i>Journal of the American Chemical Society</i> , 2006, 128, 15992-15993.	6.6	68